Claims

1	1. A method for controlling production or manufacturing costs by obtaining
2	measurements of unit manufacturing for a multiplicity of products or production lines
3	and having a started units number for a plurality of processes, comprising the steps
4	of:
5	determining an approved units number for said plurality of processes;
6	determining a unit production cost for each said unit in said plurality of processes;
7	calculating an unapproved units number for each said process;
8	calculating a cost of yield measurement for each of said plurality of processes by
9	multiplying said unapproved units number by said unit production cost for said
10	each said unit; and
11	comparing said cost for each unapproved unit for each said process.
1	2. The method of claim 1 further comprising the steps of:
2	providing an expected yield measurement for each of said plurality of processes;
3	calculating an expected approved units number by multiplying said started units
4	number by said expected yield measurement;
5	calculating an actual yield for each of said plurality of processes;
6	providing a comparison of said cost of yield with said actual yield for each said
7	plurality of processes.
1	3. A method for controlling production or manufacturing costs by obtaining yield
2	measurements of unit manufacturing for a multiplicity of products or production lines
3	having a plurality of processes, comprising the steps of:
4	determining a started units number for said plurality of processes;
5	determining a cost per unit for each said unit of said plurality of processes;
6	calculating an expected approved units number for said plurality of processes by

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multiplying said started units number by an expected yield measurement;

calculating an actual approved units number for each of said plurality of processes
by multiplying said started units number by an actual yield measurement;
calculating an unapproved units number for each of said plurality of processes by
subtracting said expected approved units number from said actual approved
units number;
calculating cost of yield measurements for said plurality of processes by
multiplying said unapproved units number by said cost per unit; and
providing a comparison of said cost of yield measurements for said plurality of
processes.
4. The method of claim 3 further comprising the steps of:
calculating an actual yield measurement by dividing an initial approved units
number by said started units number for each of said plurality of processes;
providing a comparison of said actual yield measurement for said plurality of
processes;
calculating an expected yield measurement by dividing an initial expected
approved units number by said started units number for each of said plurality
of processes; and
providing a comparison of said expected yield measurement for said plurality of
processes.
5. A method for controlling and improving production or manufacturing costs by
obtaining yield measurements of unit manufacturing for a multiplicity of products or
production lines having a plurality of processes, comprising the steps of:
determining an initial started units number for said plurality of processes;
determining a cost per unit number for each said unit of said plurality of

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processes;

7	calculating an actual yield measurement by dividing an initial approved units
8	number by said initial started units number for each of said plurality of
9	processes;
10	providing a comparison of said actual yield measurement for said plurality of
11	processes;
12	calculating expected yield measurements by dividing an expected approved units
13	number by said initial started units number for each of said plurality of
14	processes;
15	providing a comparison of said expected yield measurements for said plurality of
16	processes;
17	calculating an initial actual approved units number for said plurality of processes
18	by multiplying a subsequent started units number by said actual yield
19	measurement;
20	calculating subsequent expected approved units numbers for said plurality of
21	processes by multiplying said subsequent started units numbers by said
22	expected yield measurement;
23	calculating cost of yield measurements for said plurality of processes by
24	multiplying said subsequent expected approved units number by said cost per
25	unit; and
26	providing a comparison of said cost of yield measurements for a plurality of
27	processes.

- 6. The method of claim 5 further comprising the step of:
- calculating a subsequent actual unapproved units number for a plurality of processes by subtracting said subsequent expected approved units number from a subsequent actual approved units number.
- 7. The method of claim 5 wherein said yields are recalculated with subsequent data and tabulated for comparing said yields.

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1 8. The method of claim 5 wherein said plurality of processes run simultaneously. 1 9. The method of claim 5 further comprising the step of: 2 applying resources to said processes having the highest cost of yield based on said 3 comparing of said costs of yield measurements. 1 10. A method for controlling production or manufacturing costs by obtaining and 2 comparing measurements of unit manufacturing costs for production or manufacturing 3 of a plurality of products or production lines, comprising the steps of: 4 determining a started units number for each of a plurality of processes; 5 determining an approved units number for each of said plurality of processes; 6 determining a unit production cost for each said unit of each said process; 7 calculating an unapproved units number by subtracting said units started number 8 from said approved units number; 9 calculating cost of yield measurement for each of said plurality of processes by 10 multiplying said unapproved units number by said unit production cost for each 11 of said plurality of processes; and 12 providing a comparison of said cost of yield measurement for each of said 13 plurality of processes. 1 The method of claim 10 further comprising the steps of: 11. 2 calculating an actual yield measurement by dividing said approved units number 3 by said started units number for each of said plurality of processes; and 4 providing a comparison of said actual yield measurement of each of said plurality 5 of processes.

The method of claim 10 further comprising the steps of:

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calculating a target yield measurement; and

3	providing a comparison of said target yield measurement for each of said plurality
4	of processes.
1	13. The method of claim 10 wherein said yields are recalculated with subsequent
2	data and tabulated for comparing said yields.
1	14. The method of claim 10 wherein said plurality of processes rur
2	simultaneously.
1	15. The method of claim 10 further comprising the step of:
2	applying resources to said processes having the highest cost of yield based on said
3	comparing of said costs of yield measurements.
1	16. A method for controlling and improving production or manufacturing costs by
2	obtaining and comparing yield measurements of unit manufacturing for a plurality of
3	products or production lines comprising the steps of:
4	determining a started units number for each of a plurality of processes;
5	determining an approved units number for each of said plurality of processes;
6	determining a unit production cost for each said unit of each said process;
7	calculating an actual yield measurement by dividing said approved units number
8	by said started units number for each of said plurality of processes;
9	providing a comparison of said actual yield measurements for each of said
0	plurality of processes;
1	calculating a number of unapproved units by subtracting said started units number
2	from said approved units number;
3	calculating cost of yield measurement for each of said plurality of processes by
4	multiplying said number of unapproved units by said unit production cost for

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each unit; and

16	providing a comparison of said cost of yield measurement for each of said
17	plurality of processes.
1	17. The method of claim 16 further comprising the steps of:
2	calculating an expected approved units number by multiplying said started units
3	number by an expected yield measurement; and
4	calculating said approved units number by multiplying said started units number by
5	said actual yield measurement.
1	18. The method of claim 17 further comprising the steps of:
2	calculating an expected yield measurement by dividing said expected approved
3	units number by said started units number; and
4	providing a comparison of said expected yield measurements for each of said
5	plurality of processes.
1	19. The method of claim 16 further comprising:
2	determining a sale cost of each said unit for each said process;
3	calculating cost of lost sales for each of said plurality of processes by multiplying
4	said number of unapproved units by said sale cost for each unit;
5	providing a comparison of said cost of lost sales for each of said plurality of
6	processes.
U	processes.
1	20. A computer program product for controlling production or manufacturing costs
2	by obtaining measurements of unit manufacturing for a multiplicity of products or
3	production lines and having a started units number for a plurality of processes, said
4	computer program product having:
5	computer readable program code means for determining an approved units number
6	for said plurality of processes;

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7	computer readable program code means for determining a unit production cost for
8	each said unit in said plurality of processes;
9	computer readable program code means for calculating an unapproved units
10	number for each said process;
11	computer readable program code means for calculating a cost of yield
12	measurement for each of said plurality of processes by multiplying said
13	unapproved units number by said unit production cost for said each said unit;
14	and
15	computer readable program code means for comparing said cost for each
16	unapproved unit for each said process.
1	21. A program storage device readable by a machine, tangibly embodying a
2	program of instructions executable by the machine to perform steps for controlling
3	production or manufacturing costs by obtaining measurements of unit manufacturing
4	for a multiplicity of products or production lines and having a started units number for
5	a plurality of, said method steps comprising:
6	determining an approved units number for said plurality of processes;
7	determining a unit production cost for each said unit in said plurality of processes;
8	calculating an unapproved units number for each said process;
9	calculating a cost of yield measurement for each of said plurality of processes by
10	multiplying said unapproved units number by said unit production cost for said
11	each said unit; and

comparing said cost for each unapproved unit for each said process.

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